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**Institute for Materials Science Seminar**  
**10am – 11am - March 23, 2016**  
**IMS/MPA Conference Room, TA-3, Bldg 32, Rm 134**

### **Novel Order in Driven Dirac Materials**

**Abstract:** Driving a material with a time-dependent field can have a profound affect on its electronic properties, like: raising the critical temperature of superconductivity, creating topologically nontrivial Floquet states, or generating unconventional superconducting pairs. With recent advances in time-resolved spectroscopy more of these time-dependent states are becoming accessible in the laboratory. In this talk we discuss some recent advances in the study of unconventional ordered states in driven systems with a focus on their realization in the novel class of Dirac materials.

**Bio:** Christopher Triola received his Ph.D. from the College of William and Mary in Spring 2015 and is currently a postdoc at Nordita. His research interests include the electronic properties of Dirac materials, odd-frequency superconductivity, and the unconventional properties of driven solid state systems.